In the Claims

1(Currently Amended). A control method for an extensible markup language file, comprising the steps of:

a) receiving a query from a user;

b) determining an access control rule associated with the user;

c) performing a query search on the extensible markup language file;

d) storing a query search result;

e) performing an access search on the extensible markup language file;

f) storing an access search result; and

g) comparing the query search result and the access search result to determine an allowed search result which includes,

g1) comparing a search convergence depth to an access convergence depth;

g2) when the search convergence depth is equal to the access convergence depth, performing an intersection between the query search result and the access search result to form an intersection result;

g3) when the access rule is a hide command, the allowed search result is a non-intersecting result.

2(Cancelled).

3(Currently Amended). The method of claim ~~2~~1, further including the step of:

g4) when the access rule is a show command, the allowed search result is the intersection result.

4(Currently Amended). The method of claim ~~2~~1, further including the steps of:

g4) when the search convergence depth is greater than the access convergence depth, converging the query search result to the access convergence depth to form a converged query search result;

g5) performing an intersection between the convergence search result and the access search result to form the intersection result.

5(Currently Amended). The method of claim ~~2~~1, further including the step of:

g4) when the search convergence depth is less than the access convergence depth, performing an intersection between the query search result and the access search result to form the intersection result.

6(Original). The method of claim 1, wherein step (a) further includes the step of:

a1) converting the query into an execution stack.

7(Original). The method of claim 6, wherein step (a1) further includes the step of:

i) creating a line of the execution stack that contains an operation, a convergence depth, a term and a pattern.

8(Original). The method of claim 6, wherein step (a1) further includes the step of:

i) creating a plurality of lines of the execution stack that contain an operation, a convergence depth, a term and a pattern;

ii) executing the plurality of lines of the execution stack to form a plurality of results;

9(Original). The method of claim 1, wherein step (c) further includes the steps of:

c1) flattening the extensible markup language file to form a flattened extensible markup language file.

10(Original). The method of claim 9, further including the step of:

c2) returning a line number of the flattened extensible markup language file.

11(Original). The method of claim 1, wherein step (g) further includes the step of:

g1) performing an intersection between a plurality of line numbers from the query search result and a second plurality of line numbers from the access search result.

Claims 12-15(Cancelled).

16(Currently Amended). A control method for an extensible markup language file, comprising the step of:

a) performing an access search on the extensible markup language file to form an access search result;

b) performing a query search on the extensible markup language file to form a query search result; and

c) comparing the access search result to the query search result to form an allowed search result which includes,

c1) comparing a search convergence depth to an access convergence depth;

c2) when the search convergence depth is equal to the access convergence depth, performing an intersection between the query search result and the access search result to form an intersection result;

c3) when the access rule is a show command, the allowed search result is the intersection result.

17(Cancelled).

18(Currently Amended). The method of claim ~~17~~16, further including the step of:

c4) when the search convergence depth is greater than the access convergence depth, converging the query search result to the access convergence depth to form a converged query search result;

c5) performing an intersection between the convergence search result and the access search result to form the intersection result.

19(Original). The method of claim 16, wherein step (a) further includes the steps of:

a1) determining a user's organization;

a2) retrieving an access control rule based on the user's organization.

20(Original). The method of claim 16, wherein step (a) further includes the step of:

(a1) flattening the extensible markup language file.

Claims 21-27(Cancelled)